Supplementary Material 14: Economic Evaluation Tables

Table 1: Completeness of resource use data at baseline by study centre (number (%))

	Preston	London	Leeds	Overall
	$(n_a=22)$	$(n_b=22)$	(n _c =34)	(n=78)
Secondary Health C	Care resource use			
Inpatient visits	22 (100%)	22 (100%)	34 (100%)	78 (100%)
A&E	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Admitted	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Outpatient visits	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Primary and comm	unity health care r	esource use		
GP				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Practice nurse				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
NHS walk-in				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Occupational				
Therapist	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:				
Physiotherapist				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
SALT				
Y/N variable	22 (100%)	22 (100%)	34 (100%)	78 (100%)

Number	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Medication	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Social care resource u	ise		l	
Social worker				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number of visits:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Community care assistant	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (10070)	22 (10070)	34 (100/0)	70 (10070)
Meals on wheels				
Y/N variable:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Number:	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Other	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Broader resource item	ns		l	
Lost wages				
Participant:	21 (95%)	22 (100%)	34 (100%)	77 (99%)
Carer:	9 (90%)	5 (71%)	15 (100%)	29 (91%)
(Preston: 10, London: 7, Leeds: 15)				
Participant and carers out of pocket costs	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Disability Employment Advisor (DEA) (per visit)	22 (100%)	22 (100%)	33 (97%)	77 (99%)
Job Centre	22 (100%)	22 (100%)	33 (97%)	77 (99%)
Other services arranged by the DWP i.e. Access to work	22 (100%)	22 (100%)	33 (97%)	77 (99%)
Benefits advisor	22 (100%)	22 (100%)	33 (97%)	77 (99%)

WPAI				
Hours missed	21 (95%)	22 (100%)	34 (100%)	77 (99%)
Hours worked	21 (95%)	22 (100%)	34 (100%)	77 (99%)
Productivity	19 (86%)	21 (95%)	34 (100%)	74 (95%)
Solicitor	22 (100%)	22 (100%)	33 (97%)	77 (99%)

Table 2: Completeness of resource use data at 3 months follow up by study centre (number (%))

	Preston	London	Leeds	Overall	
	$(n_a=20)$	$(n_b=19)$	(n _c =29)	(n=68)	
Secondary Health C	are resource use				
Inpatient visits	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
A&E	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Admitted	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Outpatient visits	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Primary and commu	ınity health care r	resource use			
GP					
Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Number:	17 (85%)	16 (84%)	28 (97%)	61 (90%)	
Practice nurse					
Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Number:	18 (90%)	17 (89%)	28 (97%)	63 (93%)	
NHS walk-in					
Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Number:	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Occupational					
Therapist	19 (95%)	18 (95%)	28 (97%)	65 (96%)	
Y/N variable: Number:	18 (90%)	16 (84%)	28 (97%)	62 (91%)	
Physiotherapist					

Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Number:	18 (90%)	17 (89%)	28 (97%)	63 (93%)
SALT				
Y/N:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Number:	19 (95%)	17 (89%)	28 (97%)	64 (94%)
Medication	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Social care resource u	ıse		1	
Social worker				
Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Number variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Community care				
Y/N variable:	19 (95%)	18 (95%)	27 (93%)	64 (94%)
Number variable:	19 (95%)	18 (95%)	27 (93%)	64 (94%)
Meals on wheels				
Y/N variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Number variable:	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Other	18 (90%)	18 (95%)	27 (93%)	63 (93%)
Broader resource iter	ns			
Lost wages				
Participant	18 (90%)	17 (89%)	28 (97%)	63 (93%)
Carer	10 (100%)	4 (80%)	11 (100%)	25 (96%)
(Preston: 10, London: 5, Leeds: 11)				
Participant and carers out of pocket costs	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Disability Employment Advisor (DEA)	19 (95%)	18 (95%)	27 (93%)	64 (94%)
Job Centre	19 (95%)	18 (95%)	27 (93%)	64 (94%)
Other services arranged by the	19 (95%)	18 (95%)	27 (93%)	64 (94%)

DWP i.e. Access to work				
Benefits advisor	19 (95%)	18 (95%)	27 (93%)	64 (94%)
WPAI				
Hours missed	18 (90%)	17 (89%)	28 (97%)	63 (93%)
Hours worked	19 (95%)	17 (89%)	28 (97%)	64 (94%)
Productivity	19 (95%)	17 (89%)	28 (97%)	64 (94%)
Solicitor	19 (95%)	18 (95%)	27 (93%)	64 (94%)

Table 3: Completeness of resource use data at 6 months follow up by study centre (number (%))

	Preston	London	Leeds	Overall
	(n _a =20)	$(n_b=18)$	(n _c =27)	(n=65)
Secondary Health C	are resource use			
Inpatient visits	19 (95%)	16 (89%)	26 (96%)	61 (94%)
A&E	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Admitted	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Outpatient visits	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Primary and commu	ınity health care r	resource use		
GP				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	18 (90%)	14 (78%)	26 (96%)	58 (89%)
Practice nurse				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	18 (90%)	16 (89%)	26 (96%)	60 (89%)
NHS walk-in				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Occupational				
Therapist	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Y/N variable:	18 (90%)	13 (72%)	26 (96%)	57 (88%)
Number variable:	(3273)		. (/ - /	(22,2)

Physiotherapist				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
SALT				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Medication	18 (90%)	16 (89%)	26 (96%)	60 (92%)
Social care resource u	ise	<u> </u>		
Social worker				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Community care				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Meals on wheels				
Y/N variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Number variable:	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Other	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Broader resource iter	ms			
Lost wages				
Participant	17 (85%)	14 (78%)	26 (96%)	57 (88%)
Carer	9 (100%)	3 (75%)	10 (100%)	22 (96%)
(Preston: 9, London: 4, Leeds: 10)				
Participant and carers out of pocket costs	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Disability Employment Advisor (DEA) (per visit)	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Job Centre	19 (95%)	16 (89%)	26 (96%)	61 (94%)

Other services arranged by the DWP i.e. Access to work	19 (95%)	16 (89%)	26 (96%)	61 (94%)
Benefits advisor	19 (95%)	16 (89%)	26 (96%)	61 (94%)
WPAI				
Hours missed	18 (90%)	15 (83%)	26 (96%)	59 (91%)
Hours worked	18 (90%)	15 (83%)	26 (96%)	59 (91%)
Productivity	17 (85%)	14 (78%)	25 (93%)	56 (86%)
Solicitor	19 (95%)	16 (89%)	26 (96%)	61 (94%)

Table 4: Completeness of resource use data at 12 months follow up by study centre (number (%))

	Preston	London	Leeds	Overall
	$(n_a=18)$	$(n_b=13)$	$(n_c=21)$	(n=52)
Secondary Health Care rese	ource use			
Inpatient visits	17 (94%)	13 (100%)	21 (100%)	51 (98%)
A&E	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Admitted	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Outpatient visits	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Primary and community he	ealth care resource	use		
GP				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Practice nurse				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
NHS walk-in				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Occupational Therapist				

Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	11 (85%)	21 (100%)	49 (96%)
Physiotherapist				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
SALT				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Medication	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Social care resource use				
Social worker				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Community care				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Meals on wheels				
Y/N variable:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Number:	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Other	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Broader resource items		1		
Lost Wages				
Participant	17 (94%)	10 (77%)	21 (100%)	48 (92%)
Carer				
(Preston: 9, London: 4, Leeds: 9)	9 (100%)	4 (100%)	9 (100%)	22 (100%)
Participant and carers out of pocket costs	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Disability Employment	17 (94%)	13 (100%)	21 (100%)	51 (98%)

Advisor (DEA) (per visit)				
Job Centre	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Other services arranged by the DWP i.e. Access to work	17 (94%)	13 (100%)	21 (100%)	51 (98%)
Benefits advisor	17 (94%)	13 (100%)	21 (100%)	51 (98%)
WPAI				
Hours missed	17 (94%)	12 (92%)	21 (100%)	50 (96%)
Hours worked	17 (94%)	12 (92%)	21 (100%)	50 (96%)
Productivity	17 (94%)	12 (92%)	21 (100%)	50 (96%)
Solicitor	17 (94%)	13 (100%)	21 (100%)	51 (98%)

Table 5: Completeness of resource use data over the 12 month study period by study centre (number (%))

	Preston	London	Leeds	Overall
	$(n_a=18)$	$(n_b=13)$	$(n_c=21)$	(n=52)
Secondary Health Care resour	ce use			
Inpatient visits (Various)	17 (94%)	11 (85%)	21 (100%)	49 (94%)
A&E	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Admitted	17 (94%)	11(85%)	21 (100%)	49 (94%)
Outpatient visits	16 (89%)	11 (85%)	19 (90%)	46 (88%)
(Various)				
Primary and community healt	th care resource use			
GP				
Y/N variable:	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Number:	15 (83%)	9 (69%)	21 (100%)	45 (87%)
Practice nurse				
Y/N variable:	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Number:	16 (89%)	11 (85%)	21 (100%)	49 (94%)
NHS walk-in				
Y/N variable:	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Number:	17 (94%)	11 (85%)	21 (100%)	49 (94%)

17 (94%) 16 (89%) 17 (94%) 16 (89%) 17 (94%) 17 (94%) 16 (89%) 15 (83%)	11 (85%) 7 (54%) 11 (85%) 11 (85%) 11 (85%) 11 (85%)	21 (100%) 21 (100%) 21 (100%) 21 (100%) 21 (100%)	49 (94%) 44 (85%) 49 (94%) 48 (92%) 49 (94%) 49 (94%)
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16 (89%) 17 (94%) 17 (94%) 16 (89%)	11 (85%) 11 (85%) 11 (85%)	21 (100%)	48 (92%) 49 (94%)
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15 (83%)		21 (100%)	48 (92%)
	11 (85%)	20 (95%)	46 (88%)
17 (94%)	11 (85%)	21 (100%)	49 (94%)
17 (94%)	11 (85%)	21 (100%)	49 (94%)
17 (94%)	11 (85%)	20 (95%)	48 (92%)
17 (94%)	11 (85%)	20 (95%)	48 (92%)
17 (94%)	11 (85%)	21 (100%)	49 (94%)
17 (94%)	11 (85%)	21 (100%)	49 (94%)
16 (89%)	11 (85%)	20 (95%)	47 (90%)
16 (89%)	11 (85%)	20 (95%)	47 (90%)
l			
17 (94%)	11 (85%)	21 (100%)	49 (94%)
0 (1000)	3 (100%)	9 (100%)	21 (100%)
9 (100%)			21 (100/0)
	17 (94%) 17 (94%) 17 (94%) 17 (94%) 16 (89%)	17 (94%) 11 (85%) 17 (94%) 11 (85%) 17 (94%) 11 (85%) 17 (94%) 11 (85%) 16 (89%) 11 (85%) 17 (94%) 11 (85%)	17 (94%) 11 (85%) 20 (95%) 17 (94%) 11 (85%) 20 (95%) 17 (94%) 11 (85%) 21 (100%) 17 (94%) 11 (85%) 21 (100%) 16 (89%) 11 (85%) 20 (95%) 16 (89%) 11 (85%) 20 (95%) 17 (94%) 11 (85%) 21 (100%)

Employer resource use				
Equipment items	17 (94%)	11 (85%)	21 (100%)	49 (94%)
Participant and carers out of pocket				
costs	18 (100%)	13 (100%)	21 (100%)	52 (100%)
Y/N variable:	18 (100%)	13 (100%)	21 (100%)	52 (100%)
Number:				
Disability Employment Advisor (DEA)				
Y/N variable:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
	17 (100%)	10 (77%)	20 (95%)	47 (90%)
Number:				
Job Centre				
Y/N variable:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
Number:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
Other services arranged by the DWP i.e. Access to work				
Y/N variable:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
Number:	16 (89%)	10 (77%)	20 (95%)	46 (88%)
Benefits advisor				
Y/N variable:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
Number:	17 (94%)	10 (77%)	20 (95%)	47 (90%)
WPAI				
Hours missed	15 (83%)	9 (69%)	21 (100%)	45 (87%)
Hours worked	16 (89%)	9 (69%)	21 (100%)	46 (88%)
Productivity	15 (83%)	8 (62%)	21 (100%)	44 (85%)
Solicitor				
Y/N variable:	17 (94%)	11 (85%)	20 (95%)	48 (92%)
Number:	15 (83%)	9 (69%)	20 (95%)	44 (85%)

Table 6: Completeness of resource use data at Baseline by intervention group (number (%))

			1
	VR Intervention	Usual Care	Overall
	(n=39)	(n=39)	(n=78)
Secondary Health	Care resource use		
Inpatient visits	39 (100%)	39 (100%)	78 (100%)
A&E	39 (100%)	39 (100%)	78 (100%)
Admitted	39 (100%)	39 (100%)	78 (100%)
Outpatient visits	39 (100%)	39 (100%)	78 (100%)
Primary and com	munity health care res	ource use	
GP	39 (100%)	39 (100%)	78 (100%)
Practice nurse	39 (100%)	39 (100%)	78 (100%)
NHS walk-in	39 (100%)	39 (100%)	78 (100%)
centre			
Occupational	39 (100%)	39 (100%)	78 (100%)
Therapist			
Physiotherapist	39 (100%)	39 (100%)	78 (100%)
SALT			
(Y/N variable)	39 (100%)	39 (100%)	78 (100%)
(No. of visits)	39 (100%)	39 (100%)	78 (100%)
Medication	39 (100%)	39 (100%)	78 (100%)
Social care resour	ce use		I
Social worker			
(Y/N variable)	39 (100%)	39 (100%)	78 (100%)
(No. of visits)	39 (100%)	39 (100%)	78 (100%)
Community care	39 (100%)	39 (100%)	78 (100%)
assistant			
Meals on wheels	39 (100%)	39 (100%)	78 (100%)
Other	39 (100%)	39 (100%)	78 (100%)
Broader resource	items		<u>I</u>
Lost Wages			
Participant	39 (100%)	38 (97%)	77 (99%)
Carer	13 (87%)	16 (94%)	29 (91%)

(VR: 15, UC: 17)			
Participant and	38 (97%)	39 (100%)	77 (99%)
carers out of			
pocket costs			
Disability	38 (97%)	39 (100%)	77 (99%)
Employment			
Advisor (DEA)			
(per visit)			
Job Centre	38 (97%)	39 (100%)	77 (99%)
Other services	38 (97%)	39 (100%)	77 (99%)
arranged by the			
DWP i.e. Access			
to work			
Benefits advisor	38 (97%)	39 (100%)	77 (99%)
WPAI			
Hours missed	39 (100%)	38 (97%)	77 (99%)
Hours worked	39 (100%)	38 (97%)	77 (99%)
Productivity	38 (97%)	36 (92%)	74 (95%)
Solicitor	38 (97%)	39 (100%)	77 (99%)

Table 7: Completeness of resource use data at 3 months follow up by intervention group (number (%))

	VR Intervention	Usual Care	Overall
	(n=35)	(n=33)	(n=68)
Secondary Health	Care resource use		
Inpatient visits	34 (94%)	31 (94%)	65 (96%)
A&E	34 (94%)	31 (94%)	65 (96%)
Admitted	34 (94%)	31 (94%)	65 (96%)
Outpatient visits	34 (94%)	31 (94%)	65 (96%)
Primary and comn	nunity health care res	source use	
GP			
Y/N variable:	34 (94%)	31 (94%)	65 (96%)
Number:	31 (89%)	30 (91%)	61 (90%)
Practice nurse			

34 (94%)	31 (94%)	65 (96%)
33 (94%)	30 (91%)	63 (93%)
34 (94%)	31 (94%)	65 (96%)
34 (94%)	31 (94%)	65 (96%)
34 (94%)	31 (94%)	65 (96%)
32 (91%)	30 (91%)	62 (91%)
34 (94%)	31 (94%)	65 (96%)
33 (94%)	30 (91%)	63 (93%)
34 (97%)	31 (94%)	65 (96%)
34 (97%)	30 (91%)	64 (94%)
34 (97%)	31 (94%)	65 (96%)
e use	I	
34 (97%)	31 (94%)	65 (96%)
34 (97%)	31 (94%)	65 (96%)
34 (97%)	30 (91%)	64 (94%)
34 (97%)	30 (91%)	64 (94%)
34 (97%)	31 (94%)	65 (96%)
34 (97%)	31 (94%)	65 (96%)
34 (97%)	29 (88%)	63 (93%)
ems	I	
33 (94%)	30 (91%)	63 (93%)
10 (91%)	15 (100%)	25 (96%)
34 (97%)	31 (94%)	65 (96%)
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pocket costs			
Disability	34 (97%)	30 (91%)	64 (94%)
Employment			
Advisor (DEA)			
Job Centre	33 (94%)	31 (94%)	64 (94%)
Other services	34 (97%)	30 (91%)	64 (94%)
arranged by the			
DWP i.e. Access			
to work			
Benefits advisor	34 (97%)	30 (91%)	64 (94%)
WPAI			
Hours missed	33 (94%)	30 (91%)	66 (97%)
Hours worked	33 (94%)	31 (94%)	64 (94%)
Productivity	33 (94%)	31 (94%)	64 (94%)
Solicitor	34 (97%)	30 (91%)	64 (94%)

Table 8: Completeness of resource use data at 6 months follow up by intervention group (number (%))

	VR Intervention	Usual Care	Overall
	(n=34)	(n=31)	(n=65)
Secondary Health Care re	esource use		
Inpatient visits	30 (88%)	31 (100%)	61 (94%)
A&E	30 (88%)	31 (100%)	61 (94%)
Admitted	30 (88%)	31 (100%)	61 (94%)
Outpatient visits	30 (88%)	31 (100%)	61 (94%)
Primary and community l	health care resource use		
GP			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	28 (82%)	30 (97%)	58 (89%)
Practice nurse			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (82%)	30 (97%)	60 (92%)
NHS walk-in			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)

Occupational Therapist			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	27 (79%)	30 (97%)	57 (88%)
Physiotherapist			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)
SALT			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)
Medication	30 (88%)	30 (97%)	60 (92%)
Social care resource use			
Social worker			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)
Community care			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)
Meals on wheels			
Y/N variable:	30 (88%)	31 (100%)	61 (94%)
Number:	30 (88%)	31 (100%)	61 (94%)
Other	30 (88%)	31 (100%)	61 (94%)
Broader resource items			
Lost Wages			
Participant	30 (88%)	27 (87%)	57 (88%)
Carer			
(VR: 11, UC: 12)	10 (91%)	12 (100%)	22 (96%)
Participant and carers out of	30 (88%)	31 (100%)	61 (94%)
pocket costs			
Disability Employment	30 (88%)	31 (100%)	61 (94%)
Advisor (DEA) (per visit)			
Job Centre	30 (88%)	31 (100%)	61 (94%)
Other services arranged by	30 (88%)	31 (100%)	61 (94%)
the DWP i.e. Access to			
work			

Benefits advisor	30 (88%)	31 (100%)	61 (94%)
WPAI			
Hours missed	30 (88%)	29 (94%)	59 (91%)
Hours worked	30 (88%)	29 (94%)	59 (91%)
Productivity	29 (85%)	27 (87%)	56 (86%)
Solicitor	30 (88%)	31 (100%)	61 (94%)

Table 9: Completeness of resource use data at 12 month study period by intervention group (number (%))

	VR Intervention	Usual Care	Overall
	(n=29)	(n=23)	(n=52)
Secondary Health Care resour	ce use		
Inpatient visits	28 (97%)	23 (100%)	51 (98%)
A&E	28 (97%)	23 (100%)	51 (98%)
Admitted	28 (97%)	23 (100%)	51 (98%)
Outpatient visits	28 (97%)	23 (100%)	51 (98%)
Primary and community healt	h care resource use		
GP			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	26 (90%)	23 (100%)	49 (94%)
Practice nurse			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
NHS walk-in			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Occupational Therapist			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	26 (90%)	23 (100%)	49 (94%)
Physiotherapist			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
SALT			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)

Medication			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Social care resource use			
Social worker			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Community care			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Meals on wheels			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Other	28 (97%)	23 (100%)	51 (98%)
Broader resource items			
Lost Wages			
Participant	25 (86%)	23 (100%)	48 (92%)
Carer	10 (100%)	12 (100%)	22 (100%)
(VR: 10, UC: 12)			
Participant and carers out of pocket			
costs			
Y/N variable:	28 (97%)	23 (100%)	51 (98%)
Number:	28 (97%)	23 (100%)	51 (98%)
Disability Employment Advisor			
Y/N variable:	28 (97%)	23 (100%)	51 (92%)
Number:	27 (93%)	23 (100%)	50 (96%)
Job Centre			
Y/N variable:	28 (97%)	23 (100%)	51 (92%)
Number:	28 (97%)	23 (100%)	51 (92%)
Other services arranged by the DWP			
i.e. Access to work			
Y/N variable:	28 (97%)	23 (100%)	51 (92%)
Number:	27 (93%)	23 (100%)	50 (96%)
Benefits advisor			

Y/N variable:	28 (97%)	23 (100%)	51 (92%)
Number:	27 (93%)	23 (100%)	50 (96%)
WPAI			
Hours missed	27 (93%)	23 (100%)	50 (96%)
Hours worked	27 (93%)	23 (100%)	50 (96%)
Productivity	27 (93%)	23 (100%)	50 (96%)
Solicitor			
Y/N variable:	28 (97%)	23 (100%)	51 (92%)
Number:	28 (97%)	23 (100%)	51 (92%)

Table 10: Completeness of resource use data over the 12 month study period by intervention group (number (%))

	VR Intervention	Usual Care	Overall
	(n=29)	(n=23)	(n=52)
Secondary Health Care resource use			l
Inpatient visits	26 (90%)	23 (100%)	49 (94%)
A&E	26 (90%)	23 (100%)	49 (94%)
Admitted	26 (90%)	23 (100%)	49 (94%)
Outpatient visits	24 (83%)	22 (96%)	46 (88%)
Primary and community health care re	esource use		l
GP			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	23 (79%)	22 (96%)	45 (87%)
Practice nurse			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	26 (90%)	22 (96%)	48 (92%)
NHS walk-in			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	26 (90%)	23 (100%)	49 (94%)
Occupational Therapist			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	22 (76%)	22 (96%)	44 (85%)
Physiotherapist			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)

Number:	25 (86%)	23 (100%)	48 (92%)
SALT			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	26 (90%)	23 (100%)	49 (94%)
Medication			
Y/N variable:	26 (90%)	22 (96%)	48 (92%)
Number:	25 (86%)	21 (91%)	46 (88%)
Social care resource use			
Social worker			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	26 (90%)	23 (100%)	49 (94%)
Community care			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	25 (86%)	23 (100%)	48 (92%)
Meals on wheels			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	26 (90%)	23 (100%)	49 (94%)
Other	25 (86%)	22 (96%)	47 (90%)
Broader resource items			
Lost Wages			
Participant	26 (90%)	23 (100%)	49 (94%)
Carer	10 (100%)	11 (92%)	21 (95%)
(VR: 10, UC: 12)			
Participant and carers out of pocket			
costs			
Y/N variable:	26 (90%)	23 (100%)	49 (94%)
Number:	23 (79%)	21 (91%)	44 (85%)
Disability Employment Advisor			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	24 (83%)	23 (100%)	47 (90%)
Job Centre			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	25 (86%)	23 (100%)	48 (92%)
Other services arranged by the DWP			

i.e. Access to work			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	24 (83%)	22 (96%)	46 (88%)
Benefits advisor			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	24 (83%)	23 (100%)	47 (90%)
WPAI			
Hours missed	25 (86%)	20 (87%)	45 (87%)
Hours worked	25 (86%)	21 (91%)	46 (88%)
Productivity	24 (83%)	20 (87%)	44 (85%)
Solicitor			
Y/N variable:	25 (86%)	23 (100%)	48 (92%)
Number:	24 (83%)	20 (87%)	44 (85%)

Table 11: Completeness of utility data at baseline by centre (number (%))

	Preston	London	Leeds	Overall
	(n _a =22)	$(n_b=22)$	$(n_c=34)$	(n=78)
EQ-5D Dimension				
Mobility	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Self-Care	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Usual Activities	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Pain/Discomfort	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Anxiety/Depression	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Overall				
EQ5D Score	22 (100%)	22 (100%)	34 (100%)	78 (100%)
Health Score (VAS)	22 (100%)	22 (100%)	34 (100%)	78 (100%)

Table 12: Completeness of utility data at 3 months follow up by centre (number (%))

Preston	London	Leeds	Overall
(n _a =20)	$(n_b=19)$	$(n_c=29)$	(n=68)

EQ-5D Dimension				
Mobility	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Self-Care	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Usual Activities	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Pain/Discomfort	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Anxiety/Depression	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Overall		l		
EQ5D Score	19 (95%)	18 (95%)	28 (97%)	65 (96%)
Health Score (VAS)	19 (95%)	17 (89%)	27 (93%)	63 (93%)

Table 13: Completeness of utility data at 6 months follow up by centre (number (%))

	Preston (n _a =20)	London (n _b =18)	Leeds (n _c =27)	Overall (n=65)
	(Ha=20)	(110–10)	(nc-27)	(11–03)
EQ-5D Dimension				
Mobility	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Self-Care	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Usual Activities	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Pain/Discomfort	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Anxiety/Depression	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Overall				
EQ5D Score	20 (100%)	16 (89%)	26 (96%)	62 (95%)
Health Score (VAS)	20 (100%)	15 (83%)	26 (96%)	61 (94%)

Table 14: Completeness of utility data at 12 months follow up by centre (number (%))

Preston	London	Leeds	Overall
$(n_a=18)$	$(n_b=13)$	$(n_c=21)$	(n=52)

EQ-5D Dimension				
Mobility	18 (100%)	13 (100%)	21 (100%)	51 (98%)
Self-Care	18 (100%)	13 (100%)	21 (100%)	51 (98%)
Usual Activities	18 (100%)	13 (100%)	21 (100%)	51 (98%)
Pain/Discomfort	18 (100%)	13 (100%)	21 (100%)	51 (98%)
Anxiety/Depression	18 (100%)	13 (100%)	20 (95%)	51 (98%)
Overall	1			
EQ5D Score	18 (100%)	13 (100%)	20 (95%)	51 (98%)
Health Score (VAS)	18 (100%)	13 (100%)	17 (81%)	48 (92%)

Table 15: Completeness of utility data over the 12 month study period by centre (number (%))

	Preston (n _a =18)	London (n _b =13)	Leeds (n _c =21)	Overall (n=52)
EQ-5D Dimension				
Mobility	18 (100%)	11 (85%)	21 (100%)	50 (96%)
Self-Care	18 (100%)	11 (85%)	21 (100%)	50 (96%)
Usual Activities	18 (100%)	11 (85%)	21 (100%)	50 (96%)
Pain/Discomfort	18 (100%)	11 (85%)	21 (100%)	50 (96%)
Anxiety/Depression	18 (100%)	11 (85%)	20 (95%)	49 (94%)
Overall				
EQ5D Score	18 (100%)	11 (85%)	20 (95%)	49 (94%)
Health Score (VAS)	18 (100%)	10 (77%)	21 (100%)	49 (94%)

Table 16: Completeness of utility data at baseline (number (%))

VR	Usual Care	Overall
Interven	tion (n=39)	(n=78)
(n=39)	

EQ-5D Dimension			
Mobility	39 (100%)	39 (100%)	39 (100%)
Self-Care	39 (100%)	39 (100%)	39 (100%)
Usual Activities	39 (100%)	39 (100%)	39 (100%)
Pain/Discomfort	39 (100%)	39 (100%)	39 (100%)
Anxiety/Depression	39 (100%)	39 (100%)	39 (100%)
Overall	1	l	
EQ5D Score	39 (100%)	39 (100%)	39 (100%)
Health Score (VAS)	39 (100%)	39 (100%)	39 (100%)

Table 17: Completeness of utility data at 3 months follow up by intervention group (number (%))

	VR Intervention (n=35)		Overall (n=68)
EQ-5D Dimension		,	
Mobility	34 (97%)	31 (94%)	65 (96%)
Self-Care	34 (97%)	31 (94%)	65 (96%)
Usual Activities	34 (97%)	31 (94%)	65 (96%)
Pain/Discomfort	34 (97%)	31 (94%)	65 (96%)
Anxiety/Depression	34 (97%)	31 (94%)	65 (96%)
Overall			
EQ5D Score	34 (97%)	31 (94%)	65 (96%)
Health Score (VAS)	32 (91%)	31 (94%)	63 (93%)

Table 18: Completeness of utility data at 6 months follow up by intervention group (number (%))

VR	Usual Care	Overall
Intervention	(n=31)	(n=65)
(n=34)		

EQ-5D Dimension			
Mobility	31 (91%)	31 (100%)	62 (95%)
Self-Care	31 (91%)	31 (100%)	62 (95%)
Usual Activities	31 (91%)	31 (100%)	62 (95%)
Pain/Discomfort	31 (91%)	31 (100%)	62 (95%)
Anxiety/Depression	31 (91%)	31 (100%)	62 (95%)
Overall		1	
EQ5D Score	31 (91%)	31 (100%)	62 (95%)
Health Score (VAS)	31 (91%)	30 (97%)	61 (94%)

Table 19: Completion and Response rates of utility data over the 12 month study period by intervention group (number (%))

	Completion Rates			Response Rates		
	VR	Usual Care	Overall	VR	Usual	Overall
	Interven-	(n=23)	(n=52)	Interven-	Care	(n=78)
	tion			tion	(n=39)	
	(n=29)			(n=39)		
EQ-5D Dimension						
Mobility	27	23 (100%)	50 (96%)	27 (69%)	23 (59%)	50 (64%)
	(93%)					
Self-Care	27	23 (100%)	50 (96%)	27 (69%)	23 (59%)	50 (64%)
	(93%)					
Usual Activities	27	23 (100%)	50 (96%)	27 (69%)	23 (59%)	50 (64%)
	(93%)					
Pain/Discomfort	27	23 (100%)	50 (96%)	27 (69%)	23 (59%)	50 (64%)
	(93%)					
Anxiety/Depression	27	22	49 (94%)	27 (69%)	22 (56%)	49 (63%)
	(93%)	(96%)				
Overall			•			
EQ5D Score	27	22	49 (94%)	27 (69%)	22 (56%)	49 (63%)
	(93%)	(96%)				
Health Score (VAS)	27	22	49 (94%)	27 (69%)	22 (56%)	49 (63%)
	(93%)	(96%)				

Table 20: Completeness of utility data over the 12 month study period by intervention group (number (%))

VR Intervention	Usual Care	Overall
(n=29)	(n=23)	(n=52)

EQ-5D Dimension			
Mobility	27 (93%)	23 (100%)	50 (96%)
Self-Care	27 (93%)	23 (100%)	50 (96%)
Usual Activities	27 (93%)	23 (100%)	50 (96%)
Pain/Discomfort	27 (93%)	23 (100%)	50 (96%)
Anxiety/Depression	27 (93%)	22 (96%)	49 (94%)
Overall		,	
EQ5D Score	27 (93%)	22 (96%)	49 (94%)
Health Score (VAS)	27 (93%)	22 (96%)	49 (94%)

Table 21: Percentage of total cost accounted for by each individual resource item

	Percentage of total health and social care costs			
	VR Group (n=19)	Usual Care Group (n=18)		
Secondary health care costs				
Inpatient visits	40.46%	47.54%		
A&E	1.48%	1.55%		
Admitted	1.17%	2.14%		
Outpatient visits	31.09%	34.45%		
Primary and community health	a care costs			
GP	13.62%	3.54%		
Practice nurse	1.06%	0.14%		
NHS walk-in centre	0.00%	3.64%		
Occupational Therapist	7.87%	2.85%		
Physiotherapist	0.13%	0.04%		
SALT	0.24%	0.10%		
Medication	2.73%	0.57%		
	99.85%	96.57%		

Social worker	0.00%	0.00%
Community care assistant	0.15%	0.32%
Meals on wheels	0.00%	0.00%
Other	0.00%	3.11%
Total social care costs	0.15%	3.43%

Table 22: Mean utility according to method of data collection

	VR Intervention		Usual Care	
	Postal	Face to face	Postal	Face to face
		questionnaire		questionnaire
3 month	0.7362 [17]	0.5637[12]	0.7575 [14]	0.5116 [9]
(VR: 29, UC: 23)				
6 month	0.8001 [15]	0.5951 [12]	0.8237 [14]	0.6953 [9]
(VR: 27, UC: 23)				
12 month	0.8369 [17]	0. 6213 [12]	0.8341 [10]	0.8305 [8]
(VR: 29, UC:22)				
Overall QALY	0.7650 [9]	0.5488 [10]	0.7954 [10]	0.6465 [8]
(VR: 19, UC: 18)				

Note: [] sample size

Table 23: Mean (95% CI) productivity costs by method (Over all time periods)

<i>VR group (n=19)</i>	Usual care group	Mean difference (95%
	(n=18)	Confidence intervals)

	Mean	Std Dev	Mean	Std Dev	Mean (95% CI)
Estimated using reported earnings					
Participants lost productivity - bespoke	5746.25	11755.40	7379.94	11402.19	-1633.70 (-9369.58, 6102.19)
Participants lost productivity – WPAI (presenteeism)	532.99	1224.17	853.57	1182.31	-320.58 (-1124.55, 483.39)
Participants lost productivity – WPAI (working and not working)	11165.05	12167.92	8516.30	12419.58	2648.75 (-5558.30 , 10855.80)
Carers lost productivity - bespoke	2824.35	7667.55	2106.87	4290.13	717.48 (-4885.37, 6320.32)
(VR:10, Usual care:11)					
Estimated using Average Earnings* (using Annual Survey of Hours and Earnings)					
*£15.27 average hourly wage, for both men and women, Annual Survey of Hours and Earnings, ONS 2015					
Participants lost productivity - bespoke	11076.72	18588.59	7229.38	12356.18	3847.35 (-6749.76, 14444.44)
Participants lost productivity – WPAI (presenteeism)	815.20	1989.74	1324.34	2010.47	-509.13 (-1844.50, 826.24)
Participants lost productivity – WPAI (working and not working)	16447.90	16725.35	8583.65	13987.56	7864.25 (-2456.50, 18185)
Carers lost productivity - bespoke	2740.09	6814.14	2704.18	5381.22	35.91 (-5544.47, 5616.30)
(VR:10, Usual care:11)					